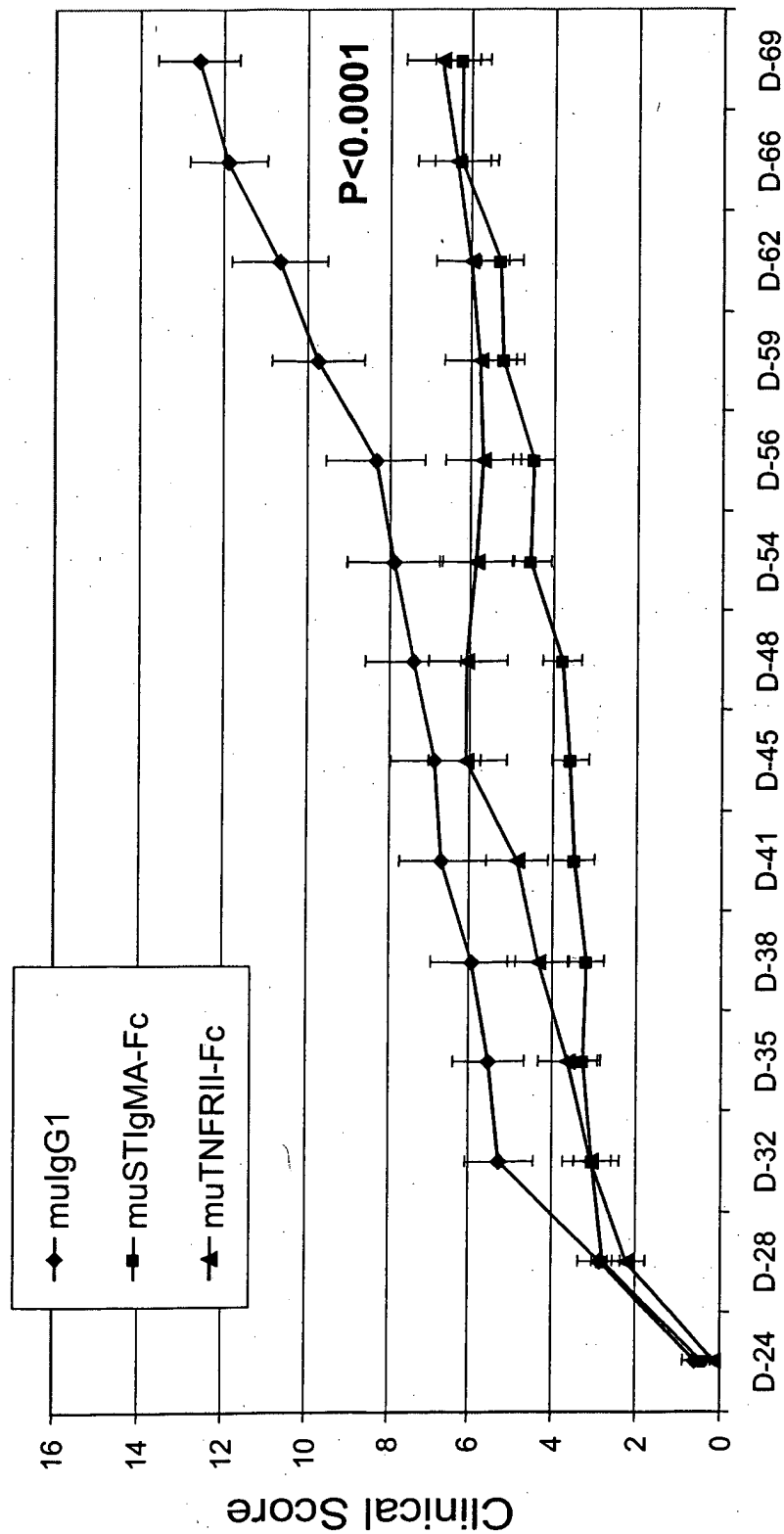




Reduction in Joint Swelling in STIgMA-Fc Treated Mice



Days Following Immunization
Collagen-Induced Arthritis

Figure 1

muSTIgMA-Fc Inhibits Joint Inflammation

mulgG1



muSTIgMA-Fc

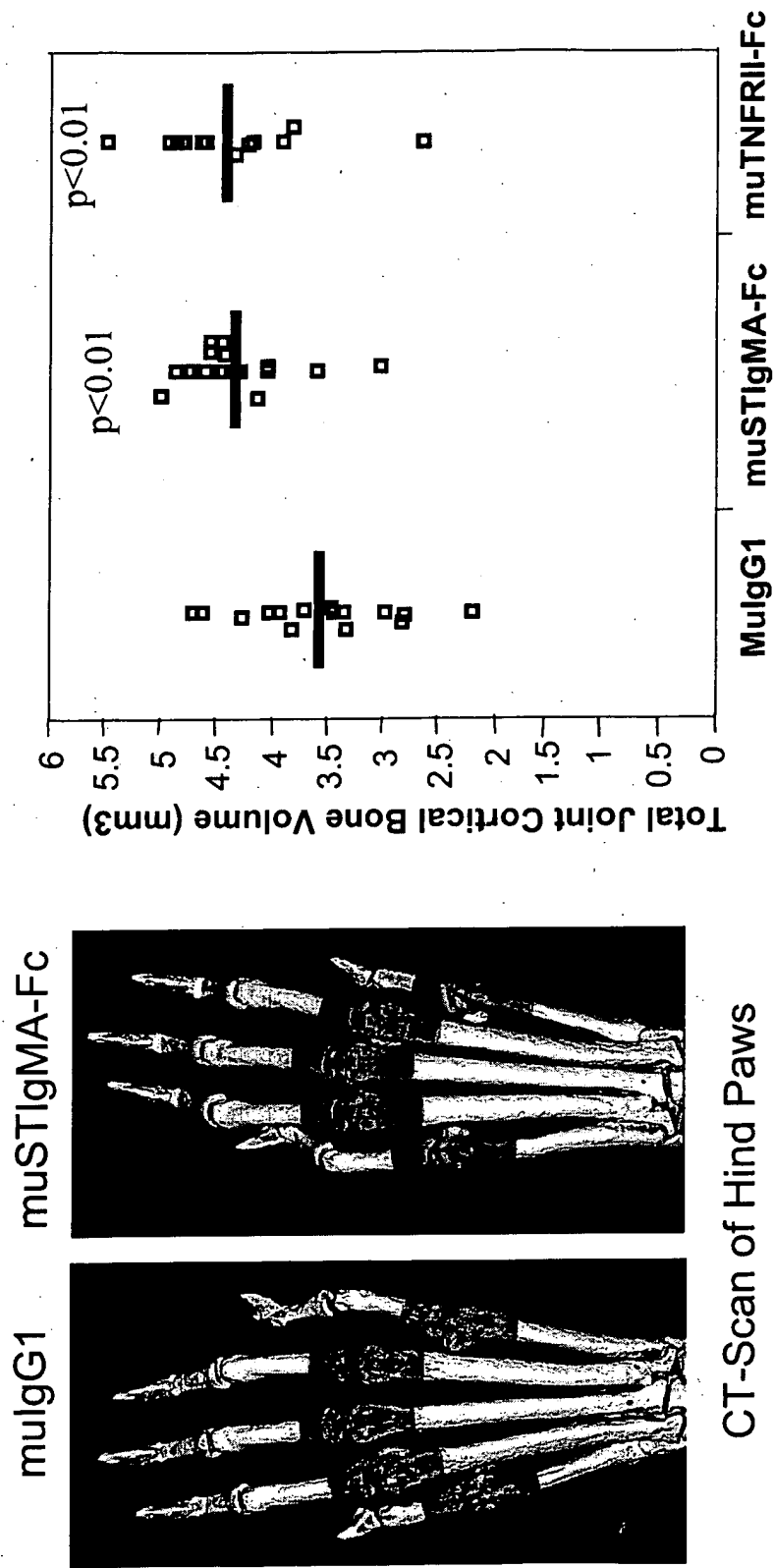


H&E staining on paraffin-embedded tissue

Collagen-induced arthritis day 70

Figure 2

Preservation of Cortical Bone Volume in joints of mice treated with muSTlgMA-Fc

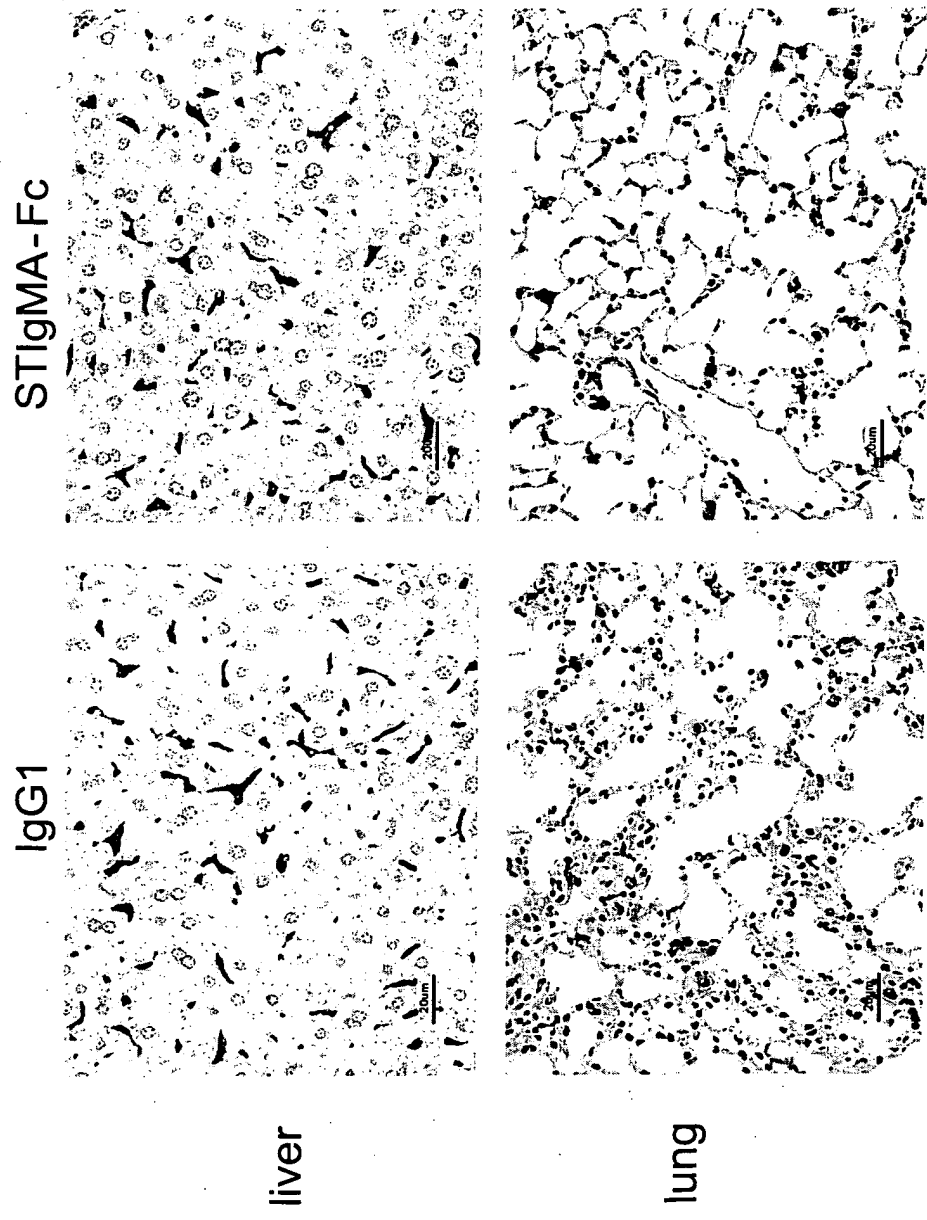


Collagen-induced arthritis day 70

Figure 3

+

STIgMA-Fc treatment does not alter the number nor morphology
of tissue resident macrophages



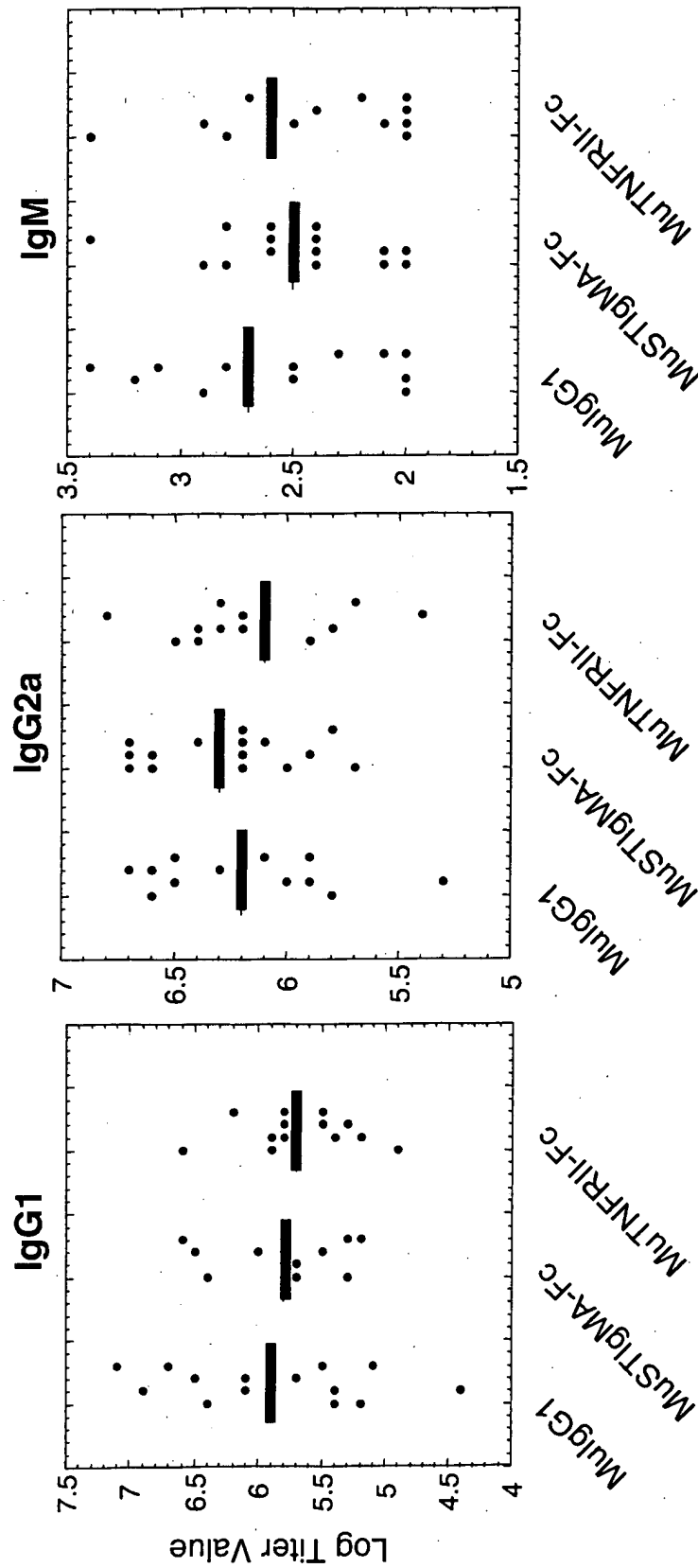
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Collagen-induced arthritis day 70

Figure 4

+

muSTIgMA-Fc treatment does not affect serum
anti-collagen antibody titers



Anova test shows no difference between groups
Collagen-induced arthritis day 70

Figure 5

muSTIgMA-Fc does not alter T-Independent B cell responses *in vivo*

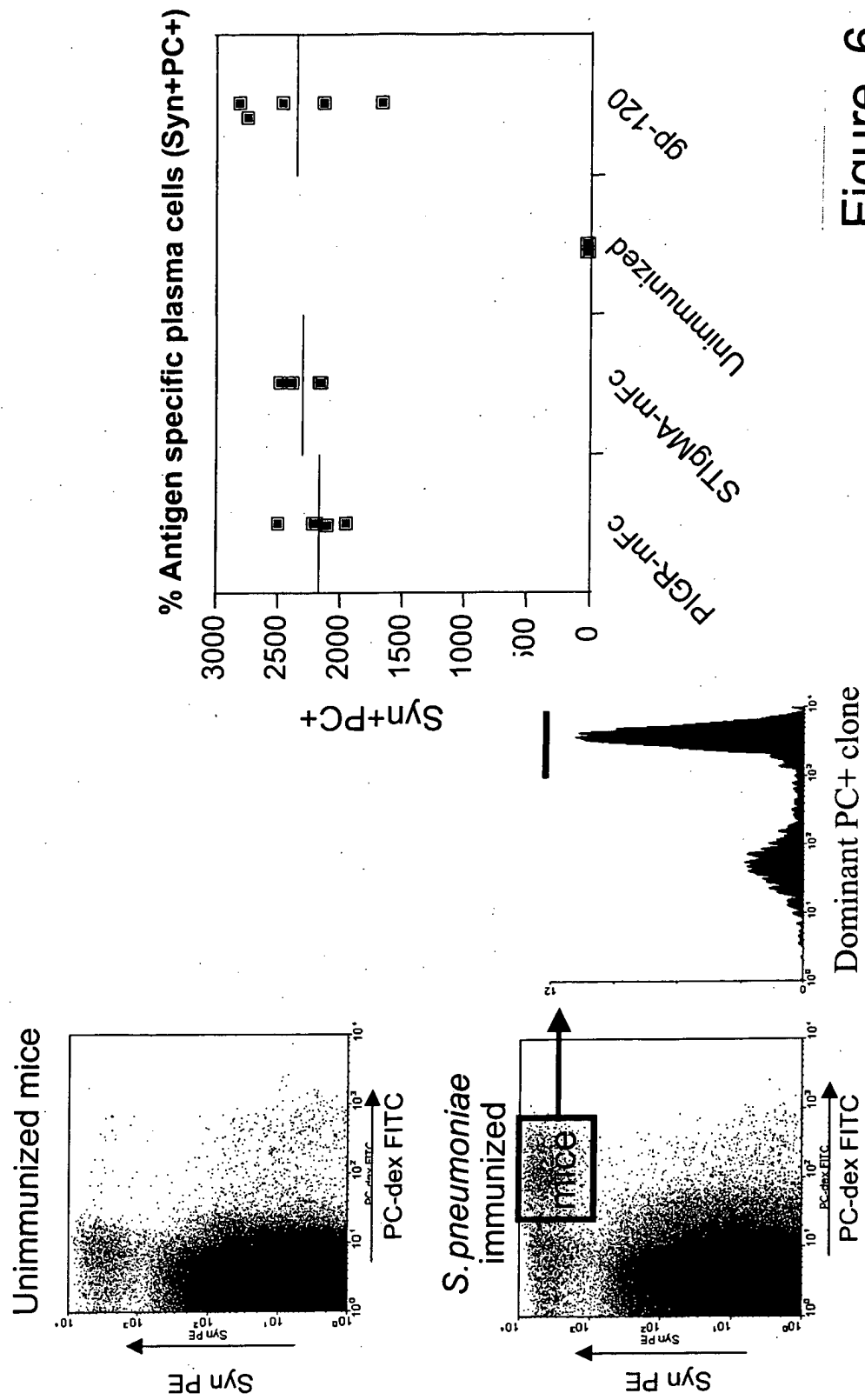
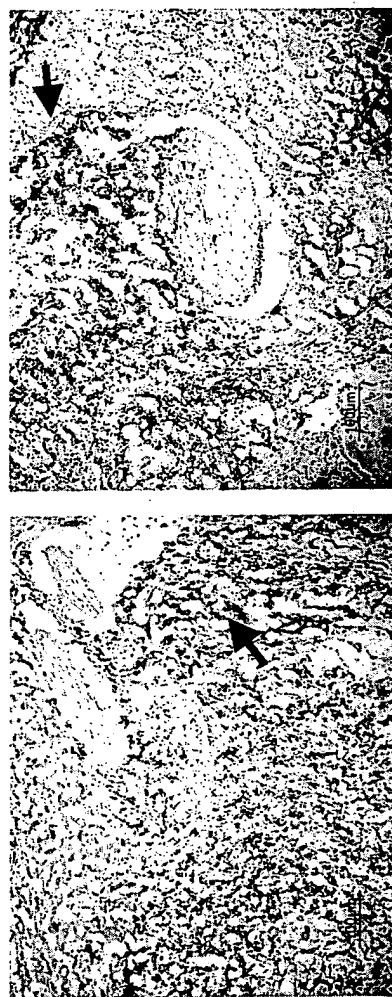


Figure 6

Macrophage infiltration in joints following
antibody-induced arthritis (AIA)



Normal

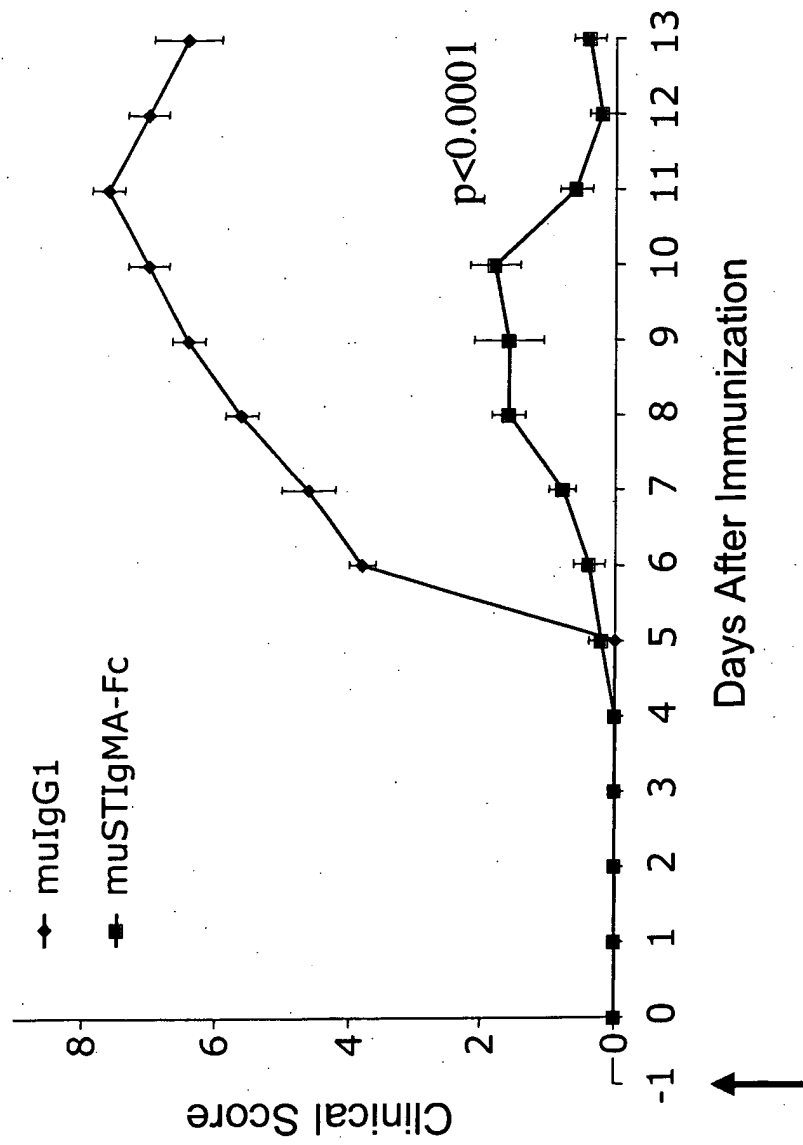


AIA
(day 14)

F4/80 staining in undecalcified frozen joints

Figure 7

MuSTIgMA-Fc prevents joint swelling following antibody-induced arthritis in balb/c mice



mSTIgMA-Fc treatment start

Figure 8

MuSTIgMA-Fc inhibits joint inflammation in antibody-induced arthritis

mulgG1



muSTIgMA-Fc



- Control treated mice (mulgG1) have moderate to severe arthritis (left)
- MuSTIgMA-Fc treated mice have minimal to no arthritis (right)

H&E staining

Figure 9